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Daniel Ellard, James Megquier

 February 2005 **Transactions on Storage (TOS)** , Volume 1 Issue 1 **Publisher:** ACM [Request Permissions](#)

Full text available: Pdf (148.11 KB) Additional Information: full citation, abstract, i

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 87, Citation

DISP is a practical client-server protocol for the distributed storage of in most other contemporary protocols, DISP permits applications to make storage space, computational overhead, and ...

Keywords: Distributed data storage5 [VPFS: building a virtual private file system with a small trusted comp](#)

Carsten Weinhold, Hermann Härtig

 April 2008 **Eurosys '08: Proceedings of the 3rd ACM SIGOPS/EuroSys Eu**
Systems 2008 **Publisher:** ACM

Full text available: Pdf (386.31 KB) Additional Information: full citation, abstract, i

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In this paper we present the lessons we learned when developing VPFS, is based on both a small amount of trusted storage and an untrusted le same machine. VPFS' purpose is to provide ...

Keywords: legacy reuse, secure file system, virtualization



Also published in:

April 2008 **SIGOPS Operating Systems Review** Volume 42 Issue 4

6 [Queue: Volume 7 Issue 1](#)

 January 2009 Queue

Publisher: ACM

Full text available:  Digital Edition ,  Pdf (2.84 MB) Additional Information: [full citation](#)

Bibliometrics: Downloads (6 Weeks): 37, Downloads (12 Months): 296, Citatio

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1 [Set Manipulation with Boolean Functional Vectors for Symbolic Reach](#)
 Amit Goel, Randal E. Bryant

 March 2003 **DATE '03: Proceedings of the conference on Design, Automation and Test in Europe**
 Volume 1, Volume 1
Publisher: IEEE Computer Society
 Full text available: [Publisher Site](#), Pdf (144.26 KB) Additional Information: [full citation](#), [terms](#)
Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 14, Citation C

Symbolic techniques usually use characteristic functions for representing functional vectors provide an alternate set representation which is suitable. Their use in symbolic reachability analysis and model ...

2 [Implicit pseudo boolean enumeration algorithms for input vector control](#)
 Kaviraj Chopra, Sarma B. K. Vrudhula

 June 2004 **DAC '04: Proceedings of the 41st annual Design Automation Conference**
Publisher: ACM [Request Permissions](#)
 Full text available: Pdf (159.13 KB) Additional Information: [full citation](#), [abstract](#), [ref](#)
Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 21, Citation C

In a CMOS combinational logic circuit, the subthreshold leakage current is dependent on the state of the inputs. In this paper we present a new approach to identify a set of input vectors (MLS). Applying a vector in ...

Keywords: CMOS, SAT, binary decision diagrams, leakage, power, symbolic

3 [Combining speed with alpha-particle induced memory, error tolerance](#)
 machine

Richard M. King, Robert A. Wagner

 January 1984 **ISCA '84: Proceedings of the 11th annual International Symposium on Computer Architecture**
Publisher: ACM
 Full text available: Pdf (275.62 KB) Additional Information: [full citation](#), [references](#),
Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 9, Citation Co

Also published in:

June 1984 **SIGARCH Computer Architecture News** Volume 12 Issue 3

4 [The Boolean Vector Machine \[BVM\]](#)



Robert A. Wagner

June 1983 **ISCA '83**: Proceedings of the 10th annual international symposium**Publisher**: ACM

Full text available: Pdf (806.15 KB)

Additional Information: [full citation](#), [abstract](#), [ref](#)**Bibliometrics**: Downloads (6 Weeks): 2, Downloads (12 Months): 16, Citation C

We describe the architecture of a class of machines intended to solve con problems much faster than can today's machines, at no increase in cost. programming of the BVM for several interesting algorithms ...

Also published in:

June 1983 **SIGARCH Computer Architecture News** Volume 11 Issue 3

5 [Some uses of truncated Boolean vectors in analysis](#)



Howard J. Smith, Jr.

May 1990 **APL '90**: Conference proceedings on APL 90: for the future**Publisher**: ACM

Full text available: Pdf (85.28 KB)

Additional Information: [full citation](#), [abstract](#), [ind](#)**Bibliometrics**: Downloads (6 Weeks): 1, Downloads (12 Months): 5, Citation Co

The truncated first occurrence vector (TFOV) is a data construct which th variety of application areas. It is based on comparisons of adjacent items criterion. The use of the TFOV and its several ...

Also published in:

May 1990 **SIGAPL APL Quote Quad** Volume 20 Issue 4

6 [Integrating Boolean and vector models of information retrieval with pa](#)

Michel Beigbeder

January 2005 **WISICT '05**: Proceedings of the 4th International symposium (communication technologies**Publisher**: Trinity College Dublin

Full text available: Pdf (838.72 KB)

Additional Information: [full citation](#), [abstract](#), [ref](#)**Bibliometrics**: Downloads (6 Weeks): 0, Downloads (12 Months): 30, Citation C

In the context of information retrieval, we propose here to merge in a sin the Boolean model, the vector space model, and passage retrieval in a si based on signal theory. In this framework, we define ...

7 [Simplifying Boolean constraint solving for random simulation-vector ge](#)




Jun Yuan, Ken Albin, Adnan Aziz, Carl Pixley

November 2002 **ICCAD '02**: Proceedings of the 2002 IEEE/ACM international aided design**Publisher**: ACM




Full text available: Pdf (105.92 KB)

Additional Information: [full citation](#), [abstract](#), [ref](#)**Bibliometrics**: Downloads (6 Weeks): 1, Downloads (12 Months): 19, Citation C




We present an algorithm for simplifying the solution of conjunctive Boolea input variables, in the context of constrained random vector generation u approach is extraction of "hold-constraints" from ...


- 8 [On \$L \times n\$ boolean matrices with all \$L \times k\$ submatrices having \$2^k\$ distinct](#)
[Hongzhong Wu](#)
 February 1991 **EURO-DAC '91**: Proceedings of the conference on European c
Publisher: IEEE Computer Society Press
 Full text available:  Pdf (305.39 KB) Additional Information: [full citation](#), [abstract](#), [ref](#)
Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 1, Citation Co

This paper describes a new method to construct an $L \times n$ boolean matrix ($k < n$), such that every $L \times k$ submatrix contains 2^k distinct row vectors

- 9 [On extending the vector space model for Boolean query processing](#)
 [S. K. M. Wong, W. Ziarko, V. V. Raghavan, P. C. N. Wong](#)
 September 1986 **SIGIR '86**: Proceedings of the 9th annual international ACM
 Research and development in information retrieval
Publisher: ACM  Request Permissions
 Full text available:  Pdf (1.07 MB) Additional Information: [full citation](#), [abstract](#), [ref](#)
Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 46, Citation C


An information retrieval model, named the Generalized Vector Space Mod
 handle situations where queries are specified as (extended) Boolean expr
 unified model, unlike currently available alternatives, ...

- 10 [Breadth-first manipulation of SBDD of Boolean functions for vector prc](#)
 [Hiroyuki Ochi, Nagisa Ishiura, Shuzo Yajima](#)
 June 1991 **DAC '91**: Proceedings of the 28th ACM/IEEE Design Automation C
Publisher: ACM  Request Permissions
 Full text available:  Pdf (495.05 KB) Additional Information: [full citation](#), [references](#), [cited](#)
Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 3, Citation Co

- 11 [Hybrid decision diagrams](#)
[E. M. Clarke, M. Fujita, X. Zhao](#)
 December 1995 **ICCAD '95**: Proceedings of the 1995 IEEE/ACM International
 aided design
Publisher: IEEE Computer Society
 Full text available:  Publisher Site ,  Pdf (150.48 KB) Additional Information: [full citation](#),
 terms
Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 12, Citation C

Abstract: Functions that map boolean vectors into the integers are import
 verification of arithmetic circuits. MTBDDs and BMDs have been proposed
 functions. We discuss the relationship between these ...

Keywords: BMDs, MTBDDs, arithmetic circuits verification, binary decisic
 circuit analysis computing, computational complexity, digital arithmetic, b
 integers, linear expressions, multi-terminal binary decision diagrams, syn
 algorithms, time complexity

- 12 [Bit-precise reasoning with affine functions](#)
 [Neil Kettle, Andy King](#)
 July 2008 **SMT '08/BPR '08**: Proceedings of the Joint Workshops of the 61

Satisfiability Modulo Theories and 1st International Workshop on

Publisher: ACM  [Request Permissions](#)

Full text available:  [Pdf](#) (234.54 KB)

Additional Information: [full citation](#), [abstract](#), [ref](#)

Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 6, Citation Co

The class of affine Boolean functions is rich enough to express constant b different bits of different words. For example, the function $(x_0) \wedge (\neg y_1) \wedge$



Keywords: abstract interpretation, model checking, propositional logic

13 [Local Search for Boolean Relations on the Basis of Unit Propagation](#)

Yakov Novikov

March 2003 **DATE '03: Proceedings of the conference on Design, Autom**
Volume 1, Volume 1

Publisher: IEEE Computer Society

Full text available:  [Publisher Site](#),  [Pdf](#) (158.23 KB) Additional Information: [full citation](#), [terms](#)

Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 11, Citation C



We propose a method for local search of Boolean relations relating variable method is to branch on small subsets of the set of CNF variables and to a propagation. By taking into account variable value assignments ...

14 [PHDD: an efficient graph representation for floating point circuit verific](#)

Yirng-An Chen, Randal E. Bryant

November 1997 **ICCAD '97: Proceedings of the 1997 IEEE/ACM international**
aided design

Publisher: IEEE Computer Society


Full text available:  [Publisher Site](#),  [Pdf](#) (124.74 KB) Additional Information: [full citation](#), [terms](#)

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 11, Citation C

Data structures such as *BMDs, HDDs, and K*BMDs provide compact representation which map Boolean vectors into integer values, but not floating point values. a new data structure, called Multiplicative Power Hybrid ...

Keywords: BDD, FDD, KFDD, BMD, *BMD, HDD, K*BMD, Floating Point, Verifications

15 [Randomly supported independence and resistance](#)

 Per Austrin, Johan Håstad

May 2009 **STOC '09: Proceedings of the 41st annual ACM symposium on T**

Publisher: ACM  [Request Permissions](#)

Full text available:  [Pdf](#) (499.78 KB)

Additional Information: [full citation](#), [abstract](#), [ref](#)


Bibliometrics: Downloads (6 Weeks): 23, Downloads (12 Months): 23, Citation C

We prove that for any positive integer k , there is a constant c_k such that $n^k \log n$ Boolean vectors with high probability supports a balanced k -wise

the case ...


Keywords: approximation resistance, k-wise independence

16 Image mining using association rules derived from feature matrix

 L. Jaba Sheela, V. Shanthi, D. Jaba Singh

January 2009 **ICAC3 '09: Proceedings of the International Conference on Ad Communication and Control**

Publisher: ACM  [Request Permissions](#)


Full text available:  Pdf (347.59 KB) Additional Information: [full citation](#), [abstract](#), [ref](#)

Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 20, Citation C

Association rule mining is a very important research topic in the field of d frequent itemsets is the key process in association rule mining. Traditiona adopt an iterative method to discovery, which ...


Keywords: association rule, data mining, feature matrix, frequent items

17 Representation and manipulation of finite sets

 B. L. McAllister

June 1980 **SIGAPL APL Quote Quad** , Volume 10 Issue 4

Publisher: ACM

Full text available:  Pdf (523.84 KB) Additional Information: [full citation](#), [abstract](#), [ref](#)

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 1, Citation Co


A set may be represented in APL either through a vector of its elements, representing its characteristic function with respect to a pre-specified uni interpretation of this Boolean vector as the binary ...

18 On feasible numbers (Preliminary Version)

 Janos Simon

May 1977 **STOC '77: Proceedings of the ninth annual ACM symposium on I**

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (946.02 KB) Additional Information: [full citation](#), [abstract](#), [ref](#)

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 8, Citation Co


We study complexity problems associated with generation and manipulati many such questions may be formulated as problems about random acce recent results about RAMs with special instructions sets can ...

19 Rough sets and information retrieval

 P. Das-Gupta

May 1988 **SIGIR '88: Proceedings of the 11th annual international ACM SI and development in information retrieval**


Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (1.43 MB) Additional Information: [full citation](#), [abstract](#), [ref](#)

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 75, Citation C


The theory of rough sets was introduced [PAWLAK82]. It allows us to classify equivalent members based on their attributes. We may then examine any objects (or even their attributes) using the resultant classification. ...

20 [A transient hypergraph-based model for data access](#)

 Carolyn Watters, Michael A. Shepherd

April 1990 **Transactions on Information Systems (TOIS)**, Volume 8 Issue

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (1.94 MB)

Additional Information: full citation, abstract, reference, review

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 37, Citation C

Two major methods of accessing data in current database systems are query. The more traditional query method returns an answer set that may consist of items containing the answer (full text), or items referring the ...

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1 [Précis: from unstructured keywords as queries to structured databases](#)
 Alkis Simitsis, Georgia Koutrika, Yannis Ioannidis
 January 2008 **The VLDB Journal — The International Journal on Very Large Databases**, Volume 17 Issue 1

Publisher: Springer-Verlag New York, Inc.

 Full text available: Pdf (2.52 MB) Additional Information: [full citation](#), [abstract](#), [index](#)
Bibliometrics: Downloads (6 Weeks): 10, Downloads (12 Months): 92, Citations: 1

Précis queries represent a novel way of accessing data, which combines techniques from the fields of databases and information retrieval. They are keyword-based, queries on top of relational databases that generate an aggregation relation ...

Keywords: Free-form queries, Keyword search, Query processing

2 [Distributed query evaluation with performance guarantees](#)

Gao Cong, Wenfei Fan, Anastasios Kementsietsidis
 June 2007 **SIGMOD '07: Proceedings of the 2007 ACM SIGMOD International Conference on Management of data**

Publisher: ACM [Request Permissions](#)

 Full text available: Pdf (526.78 KB) Additional Information: [full citation](#), [abstract](#), [references](#)
Bibliometrics: Downloads (6 Weeks): 22, Downloads (12 Months): 155, Citations: 1

Partial evaluation has recently proven an effective technique for evaluating queries over a fragmented tree that is distributed over a number of sites. It is whether or not the technique is applicable to generic data-selecting queries ...

Keywords: Xpath queries, distributed XML documents, parallel query processing

3 [Real-time shading](#)

Marc Olano, Kurt Akeley, John C. Hart, Wolfgang Heidrich, Michael McCool, Randi Rost
 August 2004 **SIGGRAPH '04: SIGGRAPH 2004 Course Notes**


Publisher: ACM [Request Permissions](#)

 Full text available: Pdf (7.39 MB) Additional Information: [full citation](#), [abstract](#), [cited by](#)

Bibliometrics: Downloads (6 Weeks): 42, Downloads (12 Months): 630, Citations: 1


Real-time procedural shading was once seen as a distant dream. When this course was offered four years ago, real-time shading was possible, of-a-kind hardware or by combining the effects of tens to hundreds of n

4 [Secondary-storage confidence computation for conjunctive queries v](#)

 Dan Olteanu, Jiewen Huang

June 2009 **SIGMOD '09: Proceedings of the 35th SIGMOD international conference on Management of data**

Publisher: ACM  Request Permissions

Full text available:  Pdf (565.76 KB) Additional Information: full citation, abstract, referer

Bibliometrics: Downloads (6 Weeks): 58, Downloads (12 Months): 58, Citations: 0

This paper investigates the problem of efficiently computing the confidence tuples in the answers to conjunctive queries with inequalities ($<$) on tuple probabilistic databases. This problem is fundamental to probabilistic dat


Keywords: decision diagrams, probabilistic databases, query processin

5 [Preference Elicitation and Query Learning](#)

Avrim Blum, Jeffrey Jackson, Tuomas Sandholm, Martin Zinkevich

December 2004 **The Journal of Machine Learning Research**, Volume 5


Publisher: MIT Press

Full text available:  Pdf (192.14 KB) Additional Information: full citation, abstract, referer terms

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 34, Citations: 0


In this paper we explore the relationship between "preference elicitation problem that arises in combinatorial auctions, and the problem of learning studied in computational learning theory. Preference elicitation is the ...

6 [Application of aboutness to functional benchmarking in information r](#)

 Kam-Fai Wong, Dawei Song, Peter Bruza, Chun-Hung Cheng

October 2001 **Transactions on Information Systems (TOIS)**, Volume 19 I

Publisher: ACM  Request Permissions

Full text available:  Pdf (291.56 KB) Additional Information: full citation, abstract, referer terms

Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 109, Citations: 0

Experimental approaches are widely employed to benchmark the performance of information retrieval (IR) system. Measurements in terms of recall and precision are computed as performance indicators. Although they are good at assessi

Keywords: Aboutness, functional benchmarking, inductive evaluation, information retrieval

7 [Modeling and querying moving objects in networks](#)

Hartmut Güting, Teixeira de Almeida, Zhiming Ding

June 2006 **The VLDB Journal — The International Journal on Very Large Databases**
Volume 15 Issue 2

Publisher: Springer-Verlag New York, Inc.

Full text available:  Pdf (610.40 KB) Additional Information: [full citation](#), [abstract](#), [referer](#)

Bibliometrics: Downloads (6 Weeks): 11, Downloads (12 Months): 163, Citations: 0

Moving objects databases have become an important research issue in database modeling and querying moving objects, there exists a comprehensive framework of abstract data types to describe objects moving freely in the 2D plane, p

Keywords: ADT, Data type, Moving object, Network, Spatio-temporal

8 Probabilistic information retrieval approach for ranking of database query results

 Surajit Chaudhuri, Gautam Das, Vagelis Hristidis, Gerhard Weikum

September 2006 **Transactions on Database Systems (TODS)**, Volume 31 : Issue 3

Publisher: ACM  Request Permissions


Full text available:  Pdf (394.04 KB) Additional Information: [full citation](#), [abstract](#), [referer](#)

Bibliometrics: Downloads (6 Weeks): 25, Downloads (12 Months): 239, Citations: 0

We investigate the problem of ranking the answers to a database query where multiple tuples are returned. In particular, we present methodologies to tackle tuple ranking for conjunctive and range queries, by adapting and applying principles of probabilistic information retrieval.

Keywords: Probabilistic information retrieval, automatic ranking, experimental evaluation, indexing, relational queries, user survey, workload

9 XPath satisfiability in the presence of DTDs

 Michael Benedikt, Wenfei Fan, Floris Geerts

May 2008 **Journal of the ACM (JACM)**, Volume 55 Issue 2

Publisher: ACM  Request Permissions


Full text available:  Pdf (916.97 KB) Additional Information: [full citation](#), [abstract](#), [referer](#)

Bibliometrics: Downloads (6 Weeks): 25, Downloads (12 Months): 255, Citations: 0

We study the satisfiability problem associated with XPath in the presence of Document Type Definitions (DTDs). The problem is to determine, given a query p in an XPath fragment and an XML document T , whether or not there exists an XML document T' such that $T' \models p$.

Keywords: Containment, DTDs, Satisfiability, XML, XPath

10 L-diversity: Privacy beyond k -anonymity

 Ashwin Machanavajjhala, Daniel Kifer, Johannes Gehrke, Muthuramakrishnan Venkitasubramaniam

March 2007 **Transactions on Knowledge Discovery from Data (TKDD)**

Publisher: ACM  Request Permissions


Full text available:  Pdf (838.00 KB) Additional Information: [full citation](#), [abstract](#), [referer](#)

Bibliometrics: Downloads (6 Weeks): 41, Downloads (12 Months): 384, Citations: 0

Publishing data about individuals without revealing sensitive information is an important problem. In recent years, a new definition of privacy called k -anonymity has gained popularity. In a k -anonymized dataset, each record ...


Keywords: ϵ -diversity, k -anonymity, Data privacy, privacy-preserving publishing

11 On-the-fly calculation and verification of consistent steering transactions

 David W. Miller, Jinhua Guo, Eileen Kraemer, Yin Xiong

November 2001 **Supercomputing '01: Proceedings of the 2001 ACM/IEEE Supercomputing (CDROM)**

Publisher: ACM


Full text available:  Pdf (195.67 KB) Additional Information: [full citation](#), [abstract](#), [reference terms](#)

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 8, Citation C

Interactive Steering can be a valuable tool for understanding and controlling computation in real-time. With Interactive Steering, the user may change computation by adjusting application parameters on-the-fly. In our system


Keywords: consistent cut, consistent steering, consistent transaction, program event, program transaction, steering event, steering transaction

12 Effective and efficient classification on a search-engine model

 Aris Anagnostopoulos, Andrei Z. Broder, Kunal Punera

November 2006 **CIKM '06: Proceedings of the 15th ACM international conference on Information and knowledge management**

Publisher: ACM  Request Permissions


Full text available:  Pdf (345.36 KB) Additional Information: [full citation](#), [abstract](#), [reference terms](#)

Bibliometrics: Downloads (6 Weeks): 11, Downloads (12 Months): 114, Citation C

Traditional document classification frameworks, which apply the learned model to a document in a corpus one by one, are infeasible for extremely large corpora like the Web or large corporate intranets. We consider the classification


Keywords: WAND, feature selection, query efficiency, search engine, transaction

13 On the memory requirements of XPath evaluation over XML streams

 Ziv Bar-Yossef, Marcus Fontoura, Vanja Josifovski



June 2004 **PODS '04: Proceedings of the twenty-third ACM SIGMOD-SIGAC symposium on Principles of database systems**

Publisher: ACM  Request Permissions


Full text available:  Pdf (272.43 KB) Additional Information: [full citation](#), [abstract](#), [reference terms](#)

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The important challenge of evaluating XPath queries over XML streams has attracted interest in the past two years. A number of algorithms have been proposed for processing wider fragments of the query language, and exhibiting better performance in terms of memory ...

14 [Privacy via pseudorandom sketches](#) [Nina Mishra, Mark Sandler](#)June 2006 **PODS '06**: Proceedings of the twenty-fifth ACM SIGMOD-SIGAC symposium on Principles of database systems**Publisher:** ACM  [Request Permissions](#)Full text available:  Pdf (274.14 KB) Additional Information: [full citation](#), [abstract](#), [reference terms](#)**Bibliometrics:** Downloads (6 Weeks): 5, Downloads (12 Months): 51, Citation



Imagine a collection of individuals who each possess private data that they share with a third party. This paper considers how individuals may represent their own data so as to simultaneously preserve their privacy and to enable

Keywords: data reconstruction, input perturbation schemes, privacy**15** [Efficient skyline computation over low-cardinality domains](#)[Michael Morse, Jignesh M. Patel, H. V. Jagadish](#)September 2007 **VLDB '07**: Proceedings of the 33rd international conference on data bases**Publisher:** VLDB EndowmentFull text available:  Pdf (239.65 KB) Additional Information: [full citation](#), [abstract](#), [reference terms](#)**Bibliometrics:** Downloads (6 Weeks): 8, Downloads (12 Months): 66, Citation

Current skyline evaluation techniques follow a common paradigm that eliminates elements from skyline consideration by finding other elements in the data that dominate them. The performance of such techniques is heavily influenced by the underlying ...

16 [Context modeling and discovery using vector space bases](#) [Massimo Melucci](#)October 2005 **CIKM '05**: Proceedings of the 14th ACM international conference on Information and knowledge management**Publisher:** ACM  [Request Permissions](#)Full text available:  Pdf (193.60 KB) Additional Information: [full citation](#), [abstract](#), [reference terms](#)**Bibliometrics:** Downloads (6 Weeks): 4, Downloads (12 Months): 73, Citation

In this paper, context is modeled by vector space bases and its evolution is achieved by linear transformations from one base to another. Each document or query is associated to a distinct base, which corresponds to one context. Also, all

Keywords: information retrieval in context, vector-space model**17** [Applying learning algorithms to preference elicitation](#) [Sebastien M. Lahaie, David C. Parkes](#)May 2004 **EC '04**: Proceedings of the 5th ACM conference on Electronic commerce**Publisher:** ACM  [Request Permissions](#)Full text available:  Pdf (190.42 KB) Additional Information: [full citation](#), [abstract](#), [reference terms](#)**Bibliometrics:** Downloads (6 Weeks): 2, Downloads (12 Months): 62, Citation

We consider the parallels between the preference elicitation problem in auctions and the problem of learning an unknown function from learning that learning algorithms can be used as a basis for preference elicitation

Keywords: combinatorial auctions, learning, preference elicitation


18 [Composite model-checking: verification with type-specific symbolic n](#)

 [Tevfik Bultan, Richard Gerber, Christopher League](#)

January 2000 **Transactions on Software Engineering and Methodology**

Volume 9 Issue 1

Publisher: ACM  [Request Permissions](#)


Full text available:  Pdf (400.17 KB) Additional Information: [full citation](#), [abstract](#), [reference terms](#)

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 71, Citation

There has been a surge of progress in automated verification methods for hardware exploration. In areas like hardware design, these technologies are rapidly moving through phases of testing and validation. To date, one of the most successful of


Keywords: Presburger arithmetic, binary decision diagrams, symbolic model checking

19 [Join-distinct aggregate estimation over update streams](#)

 [Sumit Ganguly, Minos Garofalakis, Amit Kumar, Rajeev Rastogi](#)

June 2005 **PODS '05: Proceedings of the twenty-fourth ACM SIGMOD-SIGPLAN symposium on Principles of database systems**

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (324.67 KB) Additional Information: [full citation](#), [abstract](#), [reference terms](#)

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 39, Citation


There is growing interest in algorithms for processing and querying *continuous streams* (i.e., data that is seen only once in a fixed order) with limited resources. Providing (perhaps approximate) answers to queries over such streams

20 [Timeliness-based wait-freedom: a gracefully degrading progress condition](#)

 [Marcos K. Aguilera, Sam Toueg](#)

August 2008 **PODC '08: Proceedings of the twenty-seventh ACM symposium on Principles of distributed computing**

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (382.75 KB) Additional Information: [full citation](#), [abstract](#), [reference terms](#)

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 80, Citation

We introduce a simple progress condition for shared object implementations. This condition, called *timeliness-based wait-freedom*, gracefully degrades depending on the degree of synchrony in each run. This property, called *timeliness-based wait-freedom*, provides a gradual bridge between

Keywords: abortable registers, dynamic leader election, graceful degradation, obstruction-freedom, shared memory, universal construction

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- 1 [Application of aboutness to functional benchmarking in information retrieval](#)
 Kam-Fai Wong, Dawei Song, Peter Bruza, Chun-Hung Cheng
 October 2001 **Transactions on Information Systems (TOIS)**, Volume 19 1

Publisher: ACM [Request Permissions](#)

 Full text available: Pdf (291.56 KB) Additional Information: [full citation](#), [abstract](#), [reference terms](#)
Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 109, Citation

Experimental approaches are widely employed to benchmark the performance of information retrieval (IR) system. Measurements in terms of recall and precision are computed as performance indicators. Although they are good at assessing

Keywords: Aboutness, functional benchmarking, inductive evaluation, information retrieval

- 2 [On-the-fly calculation and verification of consistent steering transactions](#)
 David W. Miller, Jinhua Guo, Eileen Kraemer, Yin Xiong
 November 2001 **Supercomputing '01: Proceedings of the 2001 ACM/IEEE Supercomputing (CDROM)**

Publisher: ACM

 Full text available: Pdf (195.67 KB) Additional Information: [full citation](#), [abstract](#), [reference terms](#)
Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 8, Citation

Interactive Steering can be a valuable tool for understanding and controlling computation in real-time. With Interactive Steering, the user may change computation by adjusting application parameters on-the-fly. In our system

Keywords: consistent cut, consistent steering, consistent transaction, program event, program transaction, steering event, steering transaction


- 3 [Composite model-checking: verification with type-specific symbolic model checking](#)
 Tevfik Bultan, Richard Gerber, Christopher League
 January 2000 **Transactions on Software Engineering and Methodology**, Volume 9 Issue 1

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Full text available:  [Pdf \(400.17 KB\)](#) Additional Information: [full citation](#), [abstract](#), [reference terms](#)

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 71, Citation

There has been a surge of progress in automated verification methods for hardware exploration. In areas like hardware design, these technologies are rapidly maturing. To date, one of the most successful of


Keywords: Presburger arithmetic, binary decision diagrams, symbolic model checking

4 [A system for automatic personalized tracking of scientific literature on the web](#)

 Kurt D. Bollacker, Steve Lawrence, C. Lee Giles

August 1999 **DL '99:** Proceedings of the fourth ACM conference on Digital Libraries


Publisher: ACM  [Request Permissions](#)

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Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 51, Citation


Keywords: citation index, information filtering, knowledge representation, user interface

5 [Access control for large collections](#)

 H. M. Gladney

April 1997 **Transactions on Information Systems (TOIS)**, Volume 15 Issue 2

Publisher: ACM  [Request Permissions](#)

Full text available:  [Pdf \(482.88 KB\)](#) Additional Information: [full citation](#), [abstract](#), [reference terms](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 22, Downloads (12 Months): 160, Citation

Efforts to place vast information resources at the fingertips of each individual user must be balanced by commensurate attention to information security in distributed systems with less-structured tasks, more-diversified information needs.


Keywords: access control, digital library, document, electronic library, information security

6 [New results on monotone dualization and generating hypergraph transversals](#)

 Thomas Eiter, Georg Gottlob, Kazuhisa Makino

May 2002 **STOC '02:** Proceedings of the thirty-fourth annual ACM symposium on Theory of computing

Publisher: ACM  [Request Permissions](#)


Full text available:  [Pdf \(204.77 KB\)](#) Additional Information: [full citation](#), [abstract](#), [reference terms](#)

Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 35, Citation

This paper considers the problem of dualizing a monotone CNF (equivalently, finding all minimal transversals of a hypergraph), whose associated decision problem is a prominent open problem in **NP**-completeness. We present a number of


Keywords: combinatorial enumeration, dualization, hypergraph acyclic nondeterminism, output-polynomial algorithms, transversal computation

7 Building efficient and effective metasearch engines

 Weiyi Meng, Clement Yu, King-Lup Liu

March 2002 **Computing Surveys (CSUR)**, Volume 34 Issue 1

Publisher: ACM  [Request Permissions](#)


Full text available:  Pdf (416.07 KB) Additional Information: [full citation](#), [abstract](#), [reference terms](#)

Bibliometrics: Downloads (6 Weeks): 33, Downloads (12 Months): 383, Citation

Frequently a user's information needs are stored in the databases of metasearch engines. It is inconvenient and inefficient for an ordinary user to invoke metasearch engines and identify useful documents from the returned results. To support


Keywords: Collection fusion, distributed collection, distributed information resource discovery, metasearch

8 Optimizing object queries using an effective calculus

 Leonidas Fegaras, David Maier

December 2000 **Transactions on Database Systems (TODS)**, Volume 25 Issue 4

Publisher: ACM  [Request Permissions](#)


Full text available:  Pdf (641.65 KB) Additional Information: [full citation](#), [abstract](#), [reference terms](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 115, Citation

Object-oriented databases (OODBs) provide powerful data abstraction facilities, but they generally lack a suitable framework for query process optimization. The development of an effective query optimizer is one of the


Keywords: nested relations, object-oriented databases, query decorrelation optimization

9 Predicate rewriting for translating Boolean queries in a heterogeneous system

 Chen-Chuan K. Chang, Héctor García-Molina, Andreas Paepcke

January 1999 **Transactions on Information Systems (TOIS)**, Volume 17 Issue 1




Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (350.96 KB) Additional Information: [full citation](#), [abstract](#), [reference terms](#)

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 33, Citation




Searching over heterogeneous information sources is difficult in part because of nonuniform query languages. Our approach is to allow users to compose queries in one rich front-end language. For each user query and target source, we

Keywords: Boolean queries, content-based retrieval, filtering, predicate subsumption, query translation

-  [Gloss: text-source discovery over the Internet](#)
[Luis Gravano, Héctor García-Molina, Anthony Tomasic](#)
 June 1999 **Transactions on Database Systems (TODS)** , Volume 24 Issue 2
Publisher: ACM  [Request Permissions](#)
 Full text available:  Pdf (230.37 KB) Additional Information: [full citation](#), [abstract](#), [referer terms](#), [review](#)
Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 73, Citation


The dramatic growth of the Internet has created a new problem for user relevant sources of documents. This article presents a framework for (a analyzes a solution to) this problem, which we call the text-source ...

Keywords: Internet search and retrieval, digital libraries, distributed in retrieval, text databases

- 11 [Searching in high-dimensional spaces: Index structures for improving performance of multimedia databases](#)
 [Christian Böhm, Stefan Berchtold, Daniel A. Keim](#)
 September 2001 **Computing Surveys (CSUR)** , Volume 33 Issue 3
Publisher: ACM  [Request Permissions](#)
 Full text available:  Pdf (1.39 MB) Additional Information: [full citation](#), [abstract](#), [referer terms](#)
Bibliometrics: Downloads (6 Weeks): 62, Downloads (12 Months): 509, Citation

During the last decade, multimedia databases have become increasingly many application areas such as medicine, CAD, geography, and molecular important research issue in the field of multimedia databases is the content retrieval ...

Keywords: Index structures, indexing high-dimensional data, multimedia similarity search

- 12 [Plan selection based on query clustering](#)
[Antara Ghosh, Jignashu Parikh, Vibhuti S. Sengar, Jayant R. Haritsa](#)
 August 2002 **VLDB '02: Proceedings of the 28th international conference on Bases**
Publisher: VLDB Endowment
 Full text available:  Pdf (1.81 MB) Additional Information: [full citation](#), [abstract](#), [referer terms](#)
Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 25, Citation


Query optimization is a computationally intensive process, especially for We present here a tool, called PLASTIC, that can be used by query optimizer the optimization cost. Our scheme groups similar queries into clusters ..


- 13 [Disjunctive datalog](#)
 [Thomas Eiter, Georg Gottlob, Heikki Mannila](#)
 September 1997 **Transactions on Database Systems (TODS)** , Volume 22 :
Publisher: ACM  [Request Permissions](#)
 Full text available:  Pdf (646.59 KB) Additional Information: [full citation](#), [abstract](#), [referer terms](#)

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We consider disjunctive Datalog, a powerful database query language b
disjunctive logic programming. Briefly, disjunctive Datalog is a variant c
disjunctions may appear in the rule heads; advanced versions also allow

14 [Efficient passage ranking for document databases](#)


 Marcin Kaszkiel, Justin Zobel, Ron Sacks-Davis
October 1999 **Transactions on Information Systems (TOIS)**, Volume 17 1

Publisher: ACM  [Request Permissions](#)Full text available:  Pdf (328.98 KB) Additional Information: [full citation](#), [abstract](#), [referer](#)
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Queries to text collections are resolved by ranking the documents in the
returning the highest-scoring documents to the user. An alternative retr
rank passages, that is, short fragments of documents, a strategy that c

Keywords: inverted files, passage retrieval, query evaluation, text data
retrieval**15** [On using extended statistical queries to avoid membership queries](#)


Nader H. Bshouty, Vitaly Feldman
March 2002 **The Journal of Machine Learning Research**, Volume 2

Publisher: MIT PressFull text available:  Pdf (355.87 KB) Additional Information: [full citation](#), [abstract](#), [referer](#)
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The Kushilevitz-Mansour (KM) algorithm is an algorithm that finds all th
coefficients of a Boolean function. It is the main tool for learning decisio
expressions in the PAC model with respect to the uniform distribution. .


16 [Self-indexing inverted files for fast text retrieval](#)

 Alistair Moffat, Justin Zobel
October 1996 **Transactions on Information Systems (TOIS)**, Volume 14 1


Publisher: ACM  [Request Permissions](#)Full text available:  Pdf (484.52 KB) Additional Information: [full citation](#), [abstract](#), [referer](#)
[terms](#)**Bibliometrics:** Downloads (6 Weeks): 25, Downloads (12 Months): 247, Citatic

Query-processing costs on large text databases are dominated by the n
and scan the inverted list of each query term. Retrieval time for invert
greatly reduced by the use of compression, but this adds to the CPU tim

17 [PIC matrices: a computationally tractable class of probabilistic query](#)

 Warren R. Greiff, W. Bruce Croft, Howard Turtle
October 1999 **Transactions on Information Systems (TOIS)**, Volume 17 1

Publisher: ACM  [Request Permissions](#)


Full text available:  Pdf (239.43 KB) Additional Information: [full citation](#), [abstract](#), [reference terms](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 23, Citation

The inference network model of information retrieval allows a probabilistic association of query operators. In particular, Boolean query operators are convenient link matrices of the Bayesian Network. Prior work has shown, however,


Keywords: Bayesian networks, Boolean queries, computational complexity, link matrices, piecewise linear functions, pnorm, probabilistic retrieval, query operators

18 [Query association for effective retrieval](#)

 Falk Scholer, Hugh E. Williams

November 2002 **CIKM '02: Proceedings of the eleventh international conference on Information and knowledge management**

Publisher: ACM  [Request Permissions](#)


Full text available:  Pdf (151.13 KB) Additional Information: [full citation](#), [abstract](#), [reference terms](#)

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 39, Citation

We introduce a novel technique for document summarisation which we call query association. Query association is based on the notion that a query that is associated with a document is a good descriptor of that document. For example, the use of "richmond ...


Keywords: past queries, query association, relevance assessment, sun search

19 [An information-theoretic approach to automatic query expansion](#)

 Claudio Carpineto, Renato de Mori, Giovanni Romano, Brigitte Bigi

January 2001 **Transactions on Information Systems (TOIS)**, Volume 19 Issue 1

Publisher: ACM  [Request Permissions](#)


Full text available:  Pdf (414.88 KB) Additional Information: [full citation](#), [abstract](#), [reference terms](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 22, Downloads (12 Months): 215, Citation

Techniques for automatic query expansion from top retrieved document promises for improving retrieval effectiveness on large collections; however, they rely on an empirical ground, and there is a shortage of cross-system comparisons.

Keywords: automatic query expansion, information retrieval, information pseudorelevance feedback


20 [Tail recursion elimination in deductive databases](#)

 Kenneth A. Ross

June 1996 **Transactions on Database Systems (TODS)**, Volume 21 Issue 2

Publisher: ACM  [Request Permissions](#)

Full text available: Additional Information: [full citation](#), [abstract](#), [reference terms](#)

 Pdf (346.78 KB)[review](#)**Bibliometrics:** Downloads (6 Weeks): 5, Downloads (12 Months): 26, Citation

We consider an optimization technique for deductive and relational data optimization technique is an extension of the magic templates rewriting improve the performance of query evaluation by not materializing the e intermediate ...

Keywords: deductive databases, magic sets, query optimization, tail reResult page: [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#)

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1 [Optimizing object queries using an effective calculus](#)

Leonidas Fegaras, David Maier

December 2000 **Transactions on Database Systems (TODS)**, Volume 25 1:
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Additional Information: [full citation](#), [abstract](#),
Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 115, [Citation](#)

Object-oriented databases (OODBs) provide powerful data abstractions generally lack a suitable framework for query processing and optimization. An effective query optimizer is one of the key factors ...

Keywords: nested relations, object-oriented databases, query decorrelation
2 [Computing curricula 2001](#)

CORPORATE The Joint Task Force on Computing Curricula

September 2001 **Journal on Educational Resources in Computing (JER)**
Publisher: ACM [Request Permissions](#)
Full text available: Html (2.78 KB), Pdf (613.63 KB) Additional Information: [full citation](#), [abstract](#),
Bibliometrics: Downloads (6 Weeks): 86, Downloads (12 Months): 1213, [Citation](#)
3 [C and tcc: a language and compiler for dynamic code generation](#)

Massimiliano Poletto, Wilson C. Hsieh, Dawson R. Engler, M. Frans Kaashoek

March 1999 **Transactions on Programming Languages and Systems (TPLS)**
Publisher: ACM [Request Permissions](#)

Full text available: Pdf (471.68 KB)




Additional Information: [full citation](#), [abstract](#),
Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 110, [Citation](#)

Dynamic code generation allows programmers to use run-time information to improve performance and expressiveness superior to those of static code. The 'C' ANSI C that supports efficient and high-level ...

Keywords: ANSI C, compilers, dynamic code generation, dynamic code
4 [Impact transformation: effective and efficient web retrieval](#)
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-  Vo Ngoc Anh, Alistair Moffat
 August 2002 **SIGIR '02: Proceedings of the 25th annual international ACM and development in information retrieval**
Publisher: ACM  [Request Permissions](#)
 Full text available:  Pdf (135.25 KB) Additional Information: [full citation](#), [abstract](#),
Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 76, Citation




We extend the applicability of impact transformation, which is a technique assigned to documents so as to boost the effectiveness of retrieval when large document collections. In conjunction ...

Keywords: dynamic pruning, index compression, web searching

- 5 [Graph rewrite systems for program optimization](#)
 Uwe Assmann
 July 2000 **Transactions on Programming Languages and Systems (T**
Publisher: ACM  [Request Permissions](#)
 Full text available:  Pdf (571.22 KB) Additional Information: [full citation](#), [abstract](#),
Bibliometrics: Downloads (6 Weeks): 12, Downloads (12 Months): 91, Citation




Graph rewrite systems can be used to specify and generate program optimizers. In this paper, several rule-based criteria are developed, defining exhaustive and nondeterministic systems stratification ...

Keywords: compiler generators, graph rewrite systems, program analysis, program transformation, specification, stratification, very high-level languages

- 6 [Relational queries over interpreted structures](#)
 Michael Benedikt, Leonid Libkin
 July 2000 **Journal of the ACM (JACM)**, Volume 47 Issue 4
Publisher: ACM  [Request Permissions](#)
 Full text available:  Pdf (455.92 KB) Additional Information: [full citation](#), [abstract](#),
Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 39, Citation

We rework parts of the classical relational theory when the underlying data is interpreted by operations that can be used in queries. We identify parts of the theory that are 'as before' when interpreted structure ...


Keywords: 0-minimality, collapse results, constraints, quantifier elimination

- 7 [Practical byzantine fault tolerance and proactive recovery](#)
 Miguel Castro, Barbara Liskov
 November 2002 **Transactions on Computer Systems (TOCS)**, Volume 20 Issue 4
Publisher: ACM  [Request Permissions](#)
 Full text available:  Pdf (1.63 MB) Additional Information: [full citation](#), [abstract](#),
Bibliometrics: Downloads (6 Weeks): 25, Downloads (12 Months): 380, Citation

Our growing reliance on online services accessible on the Internet demands provide correct service without interruptions. Software bugs, operator error is a major cause of service interruptions ...

Keywords: Byzantine fault tolerance, asynchronous systems, proactive replication, state transfer

8 [Commutativity analysis: a new analysis technique for parallelizing code](#)

 Pedro C. Diniz / Martin C. Rinard

November 1997 **Transactions on Programming Languages and Systems**

Publisher: ACM  [Request Permissions](#)


Full text available:  Pdf (472.62 KB) Additional Information: [full citation](#), [abstract](#),

Bibliometrics: Downloads (6 Weeks): 10, Downloads (12 Months): 59, Citations

This article presents a new analysis technique, commutativity analysis, for computations that manipulate dynamic, pointer-based data structures. It shows computation as composed of operations on objects. ...

Keywords: parallel computing

9 [Hierarchical indexing and document matching in BoW](#)

 Maayan Geffet, Dror G. Feitelson

January 2001 **JCDL '01: Proceedings of the 1st ACM/IEEE-CS joint conference**

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (434.24 KB) Additional Information: [full citation](#), [abstract](#),

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BoW is an on-line bibliographical repository based on a hierarchical classification system. Searching in the repository should therefore return matching topics rather than just a list of entries. Likewise, when ...

10 [Property-Specific Testbench Generation for Guided Simulation](#)

Aarti Gupta, Albert E. Casavant, Pranav Ashar, Akira Mukaiyama, Kazutoshi

January 2002 **ASP-DAC '02: Proceedings of the 2002 Asia and South Pacific**

Publisher: IEEE Computer Society


Full text available:  [Publisher Site](#),  Pdf (208.21 KB) Additional Information: [full citation](#)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 18, Citations

Simulation continues to be the primary technique for functional validation. Testbench simulation vectors can be effective in targeting the types of bugs designers are interested in. generic coverage metrics. The overall ...


Keywords: guided simulation, intelligent testbench generation, witness testbench, symbolic model checking, approximate model checking, iterative

11 [A code-motion pruning technique for global scheduling](#)

 Luiz C. V. Dos Santos, M. J. M. Heijligers, C. A. J. Van Eijk, J. Van Eijnhove

January 2000 **Transactions on Design Automation of Electronic Systems**

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (293.27 KB)


Additional Information: [full citation](#), [abstract](#),

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 24, Citation

In the high-level synthesis of ASICs or in the code generation for ASIPs the behavioral description represents an obstacle to exploit parallelism. choices in such a way that the search ...

Keywords: code generation, code motion, global scheduling, high-level

12 [Using shape analysis to reduce finite-state models of concurrent Java](#)

 James C. Corbett

January 2000 **Transactions on Software Engineering and Methodology**

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (284.92 KB)


Additional Information: [full citation](#), [abstract](#),

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 68, Citation

Finite-state verification (e.g., model checking) provides a powerful means which are often subtle and difficult to reproduce. Nevertheless, widespread developers is unlikely until tools provide ...


Keywords: Java, concurrent systems, finite-state verification, model checking, analysis, state-space reductions

13 [Existential second-order logic over strings](#)

 Thomas Eiter, Georg Gottlob, Yuri Gurevich

January 2000 **Journal of the ACM (JACM)**, Volume 47 Issue 1

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (2.14 MB)


Additional Information: [full citation](#), [abstract](#),

Bibliometrics: Downloads (6 Weeks): 12, Downloads (12 Months): 80, Citation

Existential second-order logic (ESO) and monadic second-order logic (MSO) in logic and computer science. ESO is a much more expressive logic over strings. However, little was known about the relationship between ...

Keywords: NP, SAT, decision problem, descriptive complexity, existential finite satisfiability, finite words, model checking, prefix classes, regular strings

14 [Effort profiles in multi-agent resource allocation](#)

 H. Van Dyke Parunak, Sven Brueckner, John Sauter, Robert Savit

July 2002 **AAMAS '02: Proceedings of the first international joint conference on multiagent systems: part 1**

Publisher: ACM

Full text available:  Pdf (336.15 KB)


Additional Information: [full citation](#), [abstract](#),

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 26, Citation

Multi-agent systems are particularly appropriate for resource allocation, operation requires understanding their dynamics. Concepts from statistical transitions, can help. In decision problems ...


Keywords: complexity, effort profile, negotiation, phase change, phase

15 [DPF: fast, flexible message demultiplexing using dynamic code gene](#)

 Dawson R. Engler, M. Frans Kaashoek

August 1996 **SIGCOMM '96:** Conference proceedings on Applications, technical protocols for computer communications

Publisher: ACM  [Request Permissions](#)

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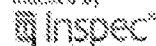
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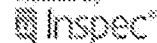
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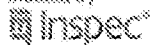
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1986-01-01 IPCOM000059690D

This invention relates to query optimization in relational accessing languages with re
I/O reduction. Among the predicates of interest include IN, NOT, LIKE, and BETWEEI
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Report No. UIUCDCS-R-78-913 RELATIONAL DATABASE SYSTEM IMPLEMENTATIONS
Department of Computer Science University of Illinois at Urbana-Champaign Urbana
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Result # 6 Relevance:

ON EQUIVALENCE AND MINIMIZATION OVER ALGEBRAIC STRUCTU

1899-12-30 IPCOM000149350D

(Extended Abstract) Peter A. Bioniarz, Harry B. Hunt, 111, and Daniel J. Rosenkrant
Science Department State University of New York at Albany Albany, New York This n
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DIFFERENTIATION Ssu-cheng Liu and Robert Paige September 1979 Rep o
No. NSF-MCS-76-00116 from the Nat ...

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Relevance: ☒ ☐ ☐ ☐

FFS: SUPPORT FOR A RELATIONAL-NETWORK DATABASE MANAGEM

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IPCOM000151788D

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College, 1985 THESIS Submitted in partial fulfillment of the requirements for the de
Science in the Graduate College of ...

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Relevance:

System/U: A Database System based on the Universal Relation Ass

1899-12-30

IPCOM000150855D

A Database System based on the Universal Relation Assumption HENRY F. KORTH I
N.Y. GABRIEL M. KUPER Stanford University Stanford, California. JEFFREY D. ULIMA
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